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Substitute for form 1449A/PTO

Complete If Known

Application Number		
Filing Date		
First Named Inventor		Brad A. Armstrong
Group Art Unit		
Examiner Name		
Attorney Docket Number		

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#5

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (# known)			
		5200597		Eastman	1993	generally all
		5207426		Inoue	1993	" "
		5287089		Parsons	1994	" "
		5311779		Teruo	1994	" "
		5315204		Park	1994	" "
		5364108		Esnouf	1994	" "
		5365494		Lynch	1994	" "
		5376913		Pine	1994	" "
		5396235		Maeshima	1995	" "
		5440237		Brown	1995	" "
		5457478		Frank	1995	" "
		5640566		Victor	1997	" "
		5670955		Thorne	1997	" "
		5673237		Blank	1997	" "
		5675329		Barker	1997	" "
		5689285		Asher	1997	" "
		5764219		Rutledge	1998	" "
		5778404		Capps	1998	" "
		5790102		Nassimá	1998	" "
		5847305		Yoshikawa	1998	" "

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		Office ³	Number ⁴	Kind Code ⁵ (# known)				
			DE3031484		Gurndig	1982	generally all	
			DE3543890		Thomson-Brant	1987	" "	
			GB2113920		Alps Electric	1983	" "	
			GF 2058462		Shin-Etsu Polymer	1981	" "	
			wo 9957630		Schneider	1999	" "	
			5-87760 Japan		Mitsumi Electric	1993	" "	
			JP7002159		Sega Enterprise	1995	" "	
			EP0470615		Nintendo Co.	1992	" "	
			0 470 615 A1		Nintendo Co.	1992	" "	
			DE4013227		Poulsom	1991	" "	

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	
		Filing Date	
		First Named Inventor	Brad A. Armstrong
		Group Art Unit	
		Examiner Name	
		Attorney Docket Number	
Sheet	2	of	12

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		Number	Kind Code ² (# known)			
		5565891		Armstrong	1996	generally all
		5589828		Armstrong	1996	" "
		5999084		Armstrong	1999	" "
		6102802		Armstrong	2000	" "
		6135886		Armstrong	2000	" "
		6198473		Armstrong	2001	" "
		6208271		Armstrong	2001	" "
		6222525		Armstrong	2001	" "
		3611068		Fujita	1971	" "
		3806471		Mitthell	1974	" "
		3952173		Tsuji	1976	" "
		3988556		Hyodo	1976	" "
		4224602		Anderson	1980	" "
		4313113		Thornburg	1982	" "
		4315238		Eventoff	1982	" "
		4552360		Bromley	1985	" "
		4673919		Kataoka	1987	" "
		4786895		Castaneda	1988	" "
		4866542		Shimada	1989	" "
		5164697		Kramer	1992	" "

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Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁸
		Office ³	Number ⁴	Kind Code ⁵ (# known)				
			wo9532776		Namco	1995	generally all	
			ep1080753		Namco	2001	" "	
			jp6154422		Namco	1994	" "	
			jp9218737		Namco	1997	" "	
			ep1080753		Namco	2001	" "	
			ep0337458		Namco	1989	" "	
			ep0337458		Namco	1989	" "	
			jp7281824		Namco	1995	" "	
			ep0470615		Nintendo	1992	" "	
			ep0579448		Texas Instruments	1994	" "	

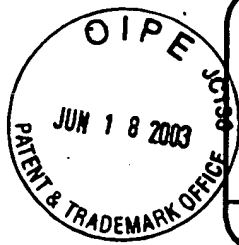
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Substitute for form 1449A/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	
(use as many sheets as necessary)		Filing Date	
Sheet <u>4</u> of <u>12</u>		First Named Inventor	<u>Brad A. Armstrong</u>
		Group Art Unit	
		Examiner Name	
		Attorney Docket Number	

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (# known)			
		THE BELOW LISTED DISCLOSURES FROM Questel-Orbit QWEB 1-24 pages (hereto attached)				
		5898359		Delco	1999	generally all
		5550339		CTS Corp.	1996	" "
		5847639		Interlink	1998	" "
		5867808		IBM	1999	" "
		5287089		Parsons	1994	" "
		5132658		Sensym INC.	1992	" "
		5196782		Luntron	1991	" "
		4975676		Spectra	1990	" "
		4694231		Alvite	1987	" "
		4615252		Asahi	1986	" "
		4301337		Eventoff	1981	" "
		4314228		Eventoff	1982	" "
		4315238		Eventoff	1982	" "
		4268815		Eventoff	1981	" "
		4276538		Eventoff	1981	" "

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		Office ³	Number ⁴	Kind Code ² (# known)			
			jp11031606		Teikoku	1999	generally all
			jp09223607		Teikoku	1997	" "
			jp09213168		Teikoku	1997	" "
			DE19606408		Contelec	1997	" "
			GB2308448		Samsung	1997	" "
			RU2010369		Smyslov	1994	" "
			GB2267392		Collins	1993	" "
			jp05151828		Yokohama	1993	" "
			jp04155707		Yokohama	1992	" "
			jp03108701		Canon	1991	" "

Questel-Orbit data continued on next sheet

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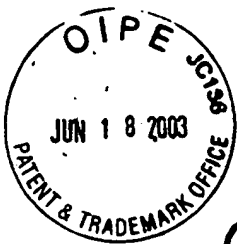
Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	
		Filing Date	
		First Named Inventor	Brad A. Armstrong
		Art Unit	
		Examiner Name	
Sheet	9	of	12
		Attorney Docket Number	

U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
		us-5510812		1996	O'Mara	generally all
		us-4469330		1984	Asher	generally all
		us-4246452		1981	Chandler	generally all
		us-5565891		1996	Armstrong	generally all
		us-0355901		1995	Bradley	generally all
		us-4555960		1985	King	generally all
		us-4924216		1990	Leung	generally all
		us-4933670		1990	Wislocki	generally all
		us-5063146		1991	Garrett	generally all
		us-5128671		1992	Thomas, Jr.	generally all
		us-5237311		1993	Wislocki	generally all
		us-5293158		1994	Soma	generally all
		us-5298919		1994	Chang	generally all
		us-5329276		1994	Hirabayashi	generally all
		us-2430284		1947	Evers	generally all
		us-3693425		1972	Starita et al	generally all
		us-3921445		1975	Hill et al	generally all
		us-4099409		1978	Edmond	generally all
		us-4216467		1980	Colston	generally all
		us-4297542		1981	Shumway	generally all

FOREIGN PATENT DOCUMENTS							
Examiner Initials ⁶	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ - Kind Code ⁵ (if known)				
			5-87760 (Japan)	1993	Mitsumi Elec.	generally all	
			7-302159 (Japan)	1995	Sega Enter.	generally all	
			0 470 615 A1 (EP)	1992	Nintendo	generally all	
			0205726 (EP)	1986	Hal Lab INC	generally all	
			739505 (SU)	1977	Baranov	generally all	
			2205941 (GB)	1988	Garrett	generally all	
			2240614 (GB)	1991	Dzholdasbekov	generally all	

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¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.
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PTO/SB08A (10-01)

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		Filing Date	
		First Named Inventor	Brad A. Armstrong
		Art Unit	
		Examiner Name	
Sheet	10	of	12
		Attorney Docket Number	

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. 1	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code 2 (if known)			
		us4348142		1982	Pigour	generally all
		us4369663		1983	Venturullo et al	generally all
		us4414537		1983	Grimes	" "
		us4536746		1985	Gobeli	" "
		us4555960		1985	King	" "
		us4670743		1987	Zemke	" "
		us4684089		1987	van der Lely	" "
		us4811608		1989	Hilton	" "
		us4855704		1989	Betz	" "
		us4910503		1990	Broadsky	" "
		us4935728		1990	Kley	" "
		us5128671		1992	Thomas, Jr.	" "
		us5142931		1992	Menahem	" "
		us5168221		1992	Houston	" "
		us5189355		1993	Larkins et al	" "
		us5252952		1993	Frank et al	" "
		us5329276		1994	Hirabayashi	" "
		US-				
		US-				
		US-				

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		Country Code 3	Number 4 - Kind Code 5 (if known)				
		0205726	(EP)	1986		generally all	
		739505	(SU)	1977		generally all	
		2205941	(GB)	1988		generally all	
		2240614	(GB)	1991		generally all	

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PTO/SB/08A (08-00)



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Sheet 12 of 12

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		Number	Kind Code ² (# known)			
		5555004		ONO ET AL	1996	generally all
		5963196		NISHIUMI ET AL	1999	" "
		5059958		JACOBS ET AL	1991	" "
		4158759		MASON	1979	" "
		4406217		OOTA	1983	" "
		6198948		SUDO ET AL	2001	" "
		5669818		THORNER ET AL	1997	" "
		6422941		THORNER ET AL	2002	" "
		5231386		BRANDENBURG ET AL	1993	" "
		5889507		ENGLE ET AL	1999	" "
		6326948		KOBACHI ET AL	2001	" "
		5689285		ASHER	1997	" "
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		4680577		STRAAYER	1987	" "
		6524187		KOMATA	2003	" "

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		Office ³	Number ⁴	Kind Code ⁵ (# known)				
			EP 0 835 676		SEGA ENTERPRISES	1989	generally all	

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